

airgroup static mdns-record

airgroup static mdns-record  
ptr <mac\_addr> <mdns\_id> <domain\_name> [server\_ipaddr]  
srv <port> <priority> <weight> <host\_name>  
a <ipv4addr>  
aaaa <ipv6addr>  
txt <text>  
no...

Description

This command configures group static mDNS records.

Syntax

Parameter	Description	Range	Default
ptr	Specifies the PTR (Pointer) record that is used for DNS-Service Discovery	—	—
Mac_addr	MAC address of the server.	—	—
mdns_id <STRING>	Specifies the AirGroup mDNS service ID, that is the name of a Bonjour service offered by a Bonjour-enabled device or application. Bonjour defines mDNS service ID strings using the following format:  _<servicename>._ protocol.local  <b>Example:</b> _airplay._tcp.local	String can include the following characters:  0-9, a-z, A-Z, and '-'	—
Domain_name <STRING>	Specify the name of the domain.	1 to 128 characters	—
Server_ipaddr <STRING>	IP address of the server.	—	—
srv	Specifies the SRV (Service) record that is used for mapping a DNS domain name to a specified list of DNS host servers.	—	—
port	Port value of the static mDNS record.	0 to 65535	—
priority	Priority of the static mDNS record.	0 to 65535	—
weight	Weight of the static mDNS record.	0 to 65535	—
host_name <STRING>	Host name of the mDNS static record.	1 to 63 characters.	—
a	Specifies the A (Address) record that is used for mapping a Domain Name System (DNS) domain name to an IP address that is used by a host.	—	—
ipv4addr	IPv4 address of the server.	—	—
aaaa	Specifies the AAAA (IPv6 address) record. This is used for mapping host names to an IP address of the host.	—	—
ipv6addr	IPv6 address of the server.	—	—
text	Specifies the TEXT record for human-readable text in a DNS record.	1-255 characters.	—
server_ipaddr	Specifies the IP address of the AirGroup server.	—	—
no	Negates any configured parameter.	—	—

Usage Guidelines

The Administrator can create the static records using the following methods:

- Group mDNS static records
- Individual mDNS static records

After creating a PTR record, the controller enters into the AirGroup record configuration mode, allowing you to add SRV, A, AAAA, and TXT records. After creating a PTR, SRV, TXT, A, and AAAA static record, use the **show airgroup cache entries** command to view and verify the records created. You can view only the static records in the output of the **show airgroup cache entries static** command.

Example

Group mDNS Static Records


You can create a group of mDNS records for a device. This section describes how to create static records of a server as a group using the CLI.

Creating a PTR Record

Use the following command to create a PTR record:


(config) # aigroup static mdns-record ptr <mac\_addr> <mdns\_id> <domain\_name> [server\_ipaddr]

(config-airgroup-record) #



NOTE

After creating a PTR record, controller displays the **(config-airgroup-record) #** prompt and you can create SRV, A, AAAA, and TXT records under this prompt.



NOTE

After creating a PTR, SRV, TXT, A, and AAAA static record, you can use the **show airgroup cache entries** command to view and verify the records created. You can view only the static records in the output of the **show airgroup cache entries static** command.

The following example creates a PTR record:

```
(host) (config) #airgroup static mdns-record ptr 9c:20:7b:cd:ec:41 "_airplay._tcp" "Apple TV (9)._airplay._tcp.local" 10.15.121.240
```

The following example shows the PTR record was created:

```
(host) (config-airgroup-record) #show airgroup cache entries
Cache Entries
-----
Name Type Class TTL Origin Expiry Last Update
-----
_airplay._tcp.local PTR IN 4500 10.15.121.240 static N/A
Num Cache Entries:1
```

Creating an SRV Record

Use the following command to create an SRV record:

```
(config-airgroup-record) # srv <port> <priority> <weight> <host_name>
```

The following example creates an SRV record:

```
(host) (config-airgroup-record) #srv 7000 0 0 Apple-TV-mbabu-9.local
```

The following example shows the SRV record was created:

```
(host) (config-airgroup-record) #show airgroup cache entries
Cache Entries
-----
Name Type Class TTL Origin Expiry
-----
_airplay._tcp.local PTR IN 4500 10.15.121.240 static
Apple TV (9)._airplay._tcp.local SRV/NBSTAT IN 120 10.15.121.240 static
Num Cache Entries:2
```

Creating an A Record

Use the following command to create an A record:

```
(config-airgroup-record) #a <ipv4addr>
```



NOTE

You can create/delete an A record if a corresponding SRV record is available.

The following example creates an A record:

```
(host) (config-airgroup-record) #a 10.15.121.240
```

The following example shows the A record was created:

```
(host) (config-airgroup-record) #show airgroup cache entries
Cache Entries
-----
Name Type Class TTL Origin Expiry Last Update
-----
_airplay._tcp.local PTR IN 4500 10.15.121.240 static N/A
Apple TV (9)._airplay._tcp.local SRV/NBSTAT IN 120 10.15.121.240 static N/A
Apple-TV-mbabu-9.local A IN 120 10.15.121.240 static N/A
Num Cache Entries:3
```

Creating an AAAA Record

Use the following command to create an AAAA record:

```
(config-airgroup-record) #aaaa <ipv6addr>
```



NOTE

You can create/delete an AAAA record if a corresponding SRV record is available.

The following example creates an AAAA record:

```
(host) (config-airgroup-record) #aaaa fe80::9e20:7bff:fe41
```

The following example shows the AAAA record was created:

```
(host) (config-airgroup-record) #show airgroup cache entries static
Cache Entries
-----
Name Type Data Origin
-----
_airplay._tcp.local PTR Apple\032TV\032\0409\041._airplay._tcp.local 10.15.121.240
Apple TV (9)._airplay._tcp.local SRV/NBSTAT Apple-TV-mbabu-9.local port:7000 10.15.121.240
Apple-TV-mbabu-9.local A 10.15.121.240 10.15.121.240
Apple-TV-mbabu-9.local AAAA fe80::9e20:7bff:fe41 10.15.121.240
Num Cache Entries:4
```

Creating a Text Record

Use the following command to create a text record:

```
(config-airgroup-record) #txt <text>
```

The following example creates a text record:

(host) (config-airgroup-record) #txt "deviceid=9C:20:7B:CD:EC:41"

The following example shows the text record was created:

(host) (config-airgroup-record) #show airgroup cache entries static  
Cache Entries

-----  
Name Type Data Origin

-----  
\_airplay.\_tcp.local PTR Apple\032TV\032\0409\041.\_airplay.\_tcp.local 10.15.121.240  
Apple TV (9).\_airplay.\_tcp.local SRV/NBSTAT Apple-TV-mbabu-9.local port:7000 10.15.121.240  
Apple-TV-mbabu-9.local A 10.15.121.240 10.15.121.240  
Apple-TV-mbabu-9.local AAAA fe80::9e20:7bff:fe8d:ec41 10.15.121.240  
Apple TV (9).\_airplay.\_tcp.local TXT deviceid=9C:20:7B:CD:EC:41 10.15.121.240  
Num Cache Entries:5

Individual Static mDNS Records

You can create individual static records independently for each record type.

Creating an Individual SRV Record

Use the following command to configure an individual SRV record:

airgroup static mdns-record srv <mac\_addr> <domain\_name> <port> <priority> <weight> <host\_name> [ server\_ipaddr]

The following example creates an SRV record:

(host) (config) #airgroup static mdns-record srv 9c:20:7b:cd:ec:41 "9C207BCDEC41@Apple TV mbabu.\_raop.\_tcp.local" 5000 0 0 Apple-TV-mbabu-4.local 10.15.121.240

The following example shows the SRV record created:

(host) (config) #show airgroup cache entries  
Cache Entries  
-----  
Name Type Class TTL Origin Expiry Last Update  
-----  
\_airplay.\_tcp.local PTR IN 4500 10.15.121.240 static N/A  
9C207BCDEC41@Apple TV mbabu.\_raop.\_tcp.local SRV/NBSTAT IN 120 10.15.121.240 static N/A  
Num Cache Entries:2

Creating an Individual Text Record

Use the following command to configure an individual TEXT record:

airgroup static mdns-record txt <mac\_addr> <domain\_name> <text> [server\_ipaddr]

The following example creates a TEXT record:

(host) (config) #airgroup static mdns-record txt 9c:20:7b:cd:ec:41 "Apple TV mbabu (4).\_airplay.\_tcp.local" "features=0x5a7ffff" 10.15.121.240

The following example shows the TEXT record was created:

Cache Entries  
-----  
Name Type Class TTL Origin Expiry Last Update  
-----  
\_airplay.\_tcp.local PTR IN 4500 10.15.121.240 static N/A  
9C207BCDEC41@Apple TV mbabu.\_raop.\_tcp.local SRV/NBSTAT IN 120 10.15.121.240 static N/A  
Apple TV mbabu (4).\_airplay.\_tcp.local TXT IN 4500 10.15.121.240 static N/A  
Num Cache Entries:3

Creating an Individual A Record

Use the following command to configure an individual A record:

airgroup static mdns-record a <mac\_addr> <host\_name> <ipv4addr> [server\_ipaddr]

The following example creates an A record:

(host) (config) #airgroup static mdns-record a 9c:20:7b:cd:ec:41 Apple-TV-mbabu-4.local 10.15.121.240

The following example shows the A record was created:

Cache Entries  
-----  
Name Type Class TTL Origin Expiry Last Update  
-----  
\_airplay.\_tcp.local PTR IN 4500 10.15.121.240 static N/A  
9C207BCDEC41@Apple TV mbabu.\_raop.\_tcp.local SRV/NBSTAT IN 120 10.15.121.240 static N/A  
Apple TV mbabu (4).\_airplay.\_tcp.local TXT IN 4500 10.15.121.240 static N/A  
Apple-TV-mbabu-4.local A IN 120 10.15.121.240 static N/A  
Num Cache Entries:4

Creating an Individual AAAA Record

Use the following command to configure an individual AAAA record:

airgroup static mdns-record aaaa <mac\_addr> < host\_name> <ipv6addr> [server\_ipaddr]

The following example creates an individual AAAA record:

(host) (config) #airgroup static mdns-record aaaa 9c:20:7b:cd:ec:41 Apple-TV-mbabu-4.local fe80::9e20:7bff:fe8d:ec41

The following example shows the AAAA record created:

Cache Entries  
-----  
Name Type Class TTL Origin Expiry Last Update  
-----  
\_airplay.\_tcp.local PTR IN 4500 10.15.121.240 static N/A  
9C207BCDEC41@Apple TV mbabu.\_raop.\_tcp.local SRV/NBSTAT IN 120 10.15.121.240 static N/A  
Apple TV mbabu (4).\_airplay.\_tcp.local TXT IN 4500 10.15.121.240 static N/A  
Apple-TV-mbabu-4.local A IN 120 10.15.121.240 static N/A  
Apple-TV-mbabu-4.local AAAA IN 120 10.15.121.240 static N/A

Num Cache Entries:5



You can delete the mDNS records by appending `no` at the beginning of the command. Ensure that the `[server_ipaddr]` parameter is not added while deleting mDNS records.

Command History

Release	Modification
ArubaOS 6.4	Command introduced.

Command Information

Platforms	Licensing	Command Mode
All platforms	Base operating system	Config mode